

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

- 1.(Currently Amended) A method for establishing a flow comprising:
receiving at a wireless network node from a mobile station a first request message, said first request message comprising at least one quality of service parameter for the flow;
after receiving the first request message, the wireless network node granting a plurality of quality of service parameters; and
sending from the wireless network node to a packet data switching node a second registration request message, the second registration request message comprising one or more of the granted quality of service parameters.
- 2.(Previously Presented) The method of claim 1 wherein the wireless network node is a radio node.
- 3.(Currently Amended) The method of claim 1, further comprising:
sending from the wireless network node to a to the mobile station a reply message, said reply message including comprising the granted plurality of quality of service parameters and airlink parameters for the flow.
- 4.(Currently Amended) The method of claim 3, wherein said reply message further includes comprises a flow identifier.
- 5.(Currently Amended) The method of claim 2 further comprising receiving from receiving, from a node other than the wireless network node and a and the mobile station that originates the first request message, a subscriber profile that includes a series of quality parameters associated with the mobile station.
- 6.(Currently Amended) The method of claim 2, further comprising:
sending from a receiving from the mobile station that originates the first request message

~~to a further node~~ a filter message, said filter message including comprising at least one packet filter.

7.(Previously Presented) The method of claim 6, wherein the at least one packet filter comprises a plurality of packet filter content options, and the at least one packet filter is identified by a flow identifier.

8.(Currently Amended) The method of claim 2 further comprising:
determining at the wireless network node that the flow cannot be further supported to meet the plurality of quality of service parameters that were granted;
sending from the wireless network node to the packet data switching node a modified ~~second-registration~~ request message that includes comprises at least one updated quality of service parameter; and
receiving at the wireless network node authorization to satisfy the at least one updated quality of service parameter.

9.(Currently Amended) The method of claim 8, wherein the modified ~~second-registration~~ request message includes comprises an identifier for the flow.

10.(Previously Presented) The method of claim 1 further comprising:
determining a policy to apply to a packet transported on the flow, and mapping an identifier associated with the flow to the policy.

11.(Currently Amended) The method of claim 10, wherein determining ~~a policy~~ the policy is at a further node, the method further comprising enforcing the policy at the further node on the packet sent in at least one of an uplink and a downlink direction.

12.(Currently Amended) The method of claim 10 wherein determining ~~a policy~~ the policy is at the wireless network node, the method further comprising enforcing the policy at the wireless network node for the packet sent at least in an uplink direction from the ~~first wireless network node~~ to the further packet data switching node.

13.(Currently Amended) The method of claim 10 wherein determining ~~a policy~~ the policy is at the further node, the method further comprising enforcing the policy at the wireless network node at least for the packet sent in an uplink direction from the wireless network node to the further node.

14.(Canceled)

15.(Currently Amended) A signaling protocol method to enable an assured quality on a flow comprising:

a radio node receiving from a mobile station a request that includes at least one quality of service parameter for the flow;

after the receiving, the radio node sending to the mobile station a grant of a set of quality of service parameters for the flow;

after the receiving, the radio node further sending a registration request to a packet data switching node that includes the granted set of quality parameters for the flow; and

after sending the registration request, the radio node receiving from the packet data switching node a registration reply that authorizes the flow.

16.(Currently Amended) The signaling protocol method of claim 28 wherein the mobile station sending a filter message to the packet data switching node that comprises at least one packet filter for the flow.

17.(Currently Amended) The signaling protocol method of claim 28 further comprising receiving at the packet switching data node from an AAA node a series of quality of service parameters associated with the mobile station.

18.(Currently Amended) The signaling protocol method of claim 15, wherein the grant comprises, ~~in a single message~~, an identifier for the flow which is sent with the granted set of quality of service parameters.

19.(Currently Amended) The signaling protocol method of claim 15 wherein the request received from the mobile station comprises, in a single message, an identifier for the flow.

20-22. (Canceled)

23.(Currently Amended) A wireless network node comprising:

a receiver ~~for receiving~~ configured to receive a quality of service QoS-parameter request message ~~that includes~~, the request message comprising at least one quality of service parameter for a flow;

~~a controller coupled to the receiver for determining and granting~~ configured to determine and to grant at least one quality of service parameter for the flow in response to the request message being received at the receiver; and

~~a transmitter coupled to the controller for sending~~ configured to send a registration request message to a packet data switching node in response to the controller determining and granting, the registration request message comprising the granted at least one quality of service parameter; and the transmitter configured also to send a reply message comprising the granted at least one quality of service parameter to the mobile station.

24.(Currently Amended) The wireless network node of claim 30, wherein the registration request message further comprises the at least one quality of service parameter which the controller grants.

25-27.(Canceled)

28.(Currently Amended) The signaling protocol method of claim 15, further comprising:

the mobile station signaling the packet data switching node via the radio node with packet filters that identify the flow.

29.(Canceled)

30.(Previously Presented) The wireless network node of claim 29, wherein the registration request message comprises an identifier for the flow.

31.(Currently Amended) A wireless network node comprising:

~~means for receiving a QoS from a mobile station a quality of service parameter request message that includes comprises~~ at least one quality of service parameter for a flow;

~~coupled to the receiver, controller~~ means for determining and granting at least one quality of service parameters ~~for the flow after the request message is received at the means for receiving~~; and

~~coupled to the controller, means for sending, in response to the controller means determining and granting, a registration request message comprising the granted at least one quality of service parameter to a packet data switching node; and also for sending a reply message comprising the granted at least one quality of service parameter to the mobile station.~~

32.(Currently Amended) The wireless network node of claim 31, wherein the means for receiving comprises a receiver coupled to at least one receive antenna, the ~~controller~~ means for determining comprises an electronic controller, and the means for sending comprises a transmitter coupled to at least one transmit antenna that may be said at least one receive antenna.